NLTVC

USER MANUAL FOR CRYSTALVIEW HD SERIES

Version 1.1

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1. System Starts up

1) The system starts up with six (6) main buttons on the screen:

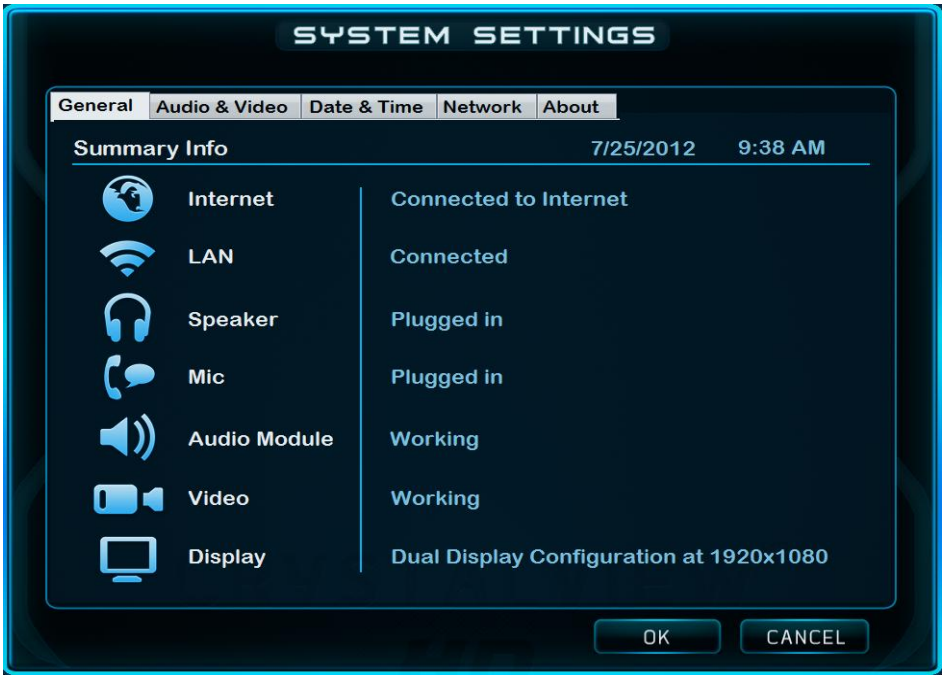
2) The usability of each icon is described in the following table.

Icon	Name	Description
	H. 323 Client	Interconnect with other H.323 based video conferencing system or MCU. E.g. Polycom, Tandberg, Vidyo, Cisco, Spranto etc.
	NLTVC HD client	Proprietary RSW protocol for multipoint HD client with real time document conferencing.
	Skype™	Proprietary Skype™ protocol.
	System Configuration	Use for: I. System diagnosis II. Network Configuration
	Reboot	To reboot the system
	Turn Off	To turn off the system

2. System Configuration

1) Click the System Configuration button:

2) The following page will be shown



2.1 General

a) General page will show the current condition of the system.

Note: The Summary above shows the good condition of the system.

The system is working perfectly.

2.2 Audio & Video

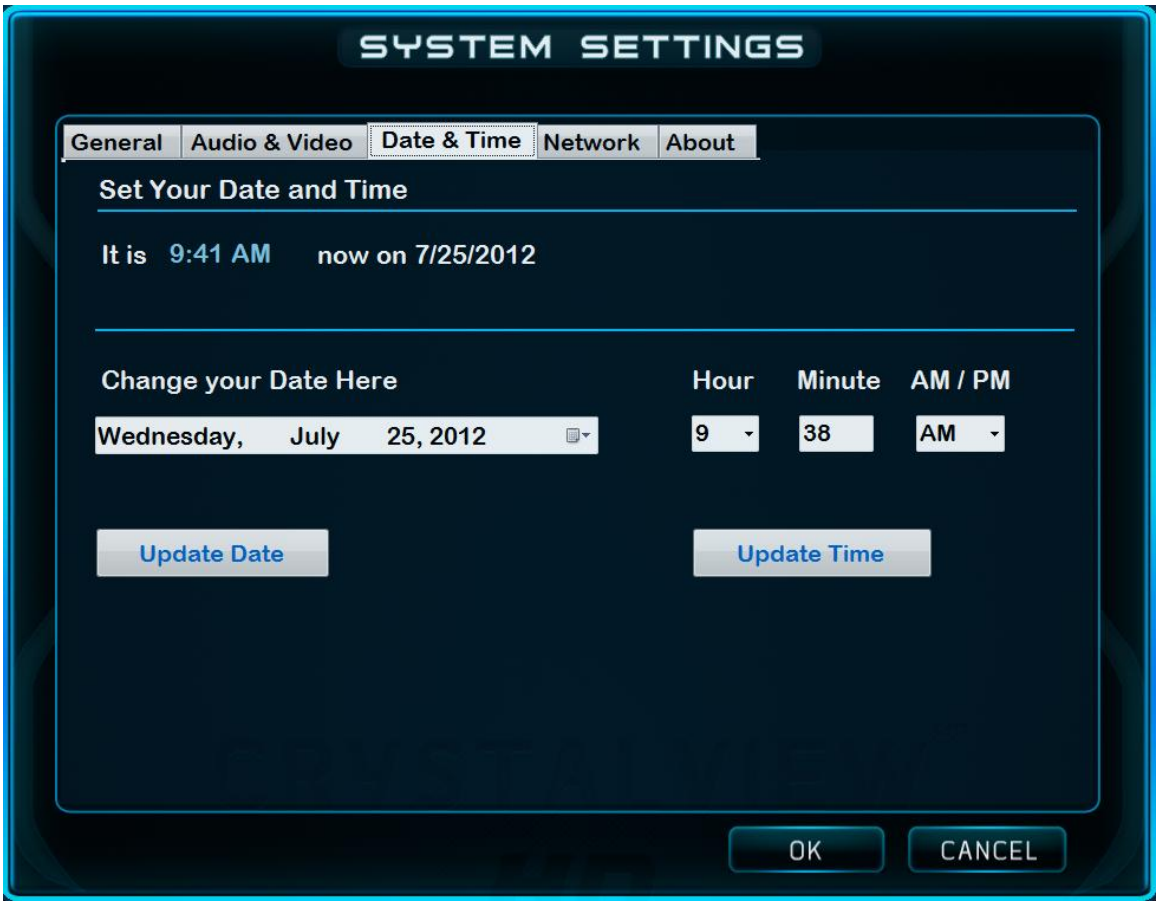
a) Audio & Video page will be used for audio and video testing.

b) Click “Test Speaker” button to test the speaker.

c) Say something to test the microphone. The responding spectrum shows the device is working.

d) Click “Test Camera” to test the camera. The camera display will be shown.

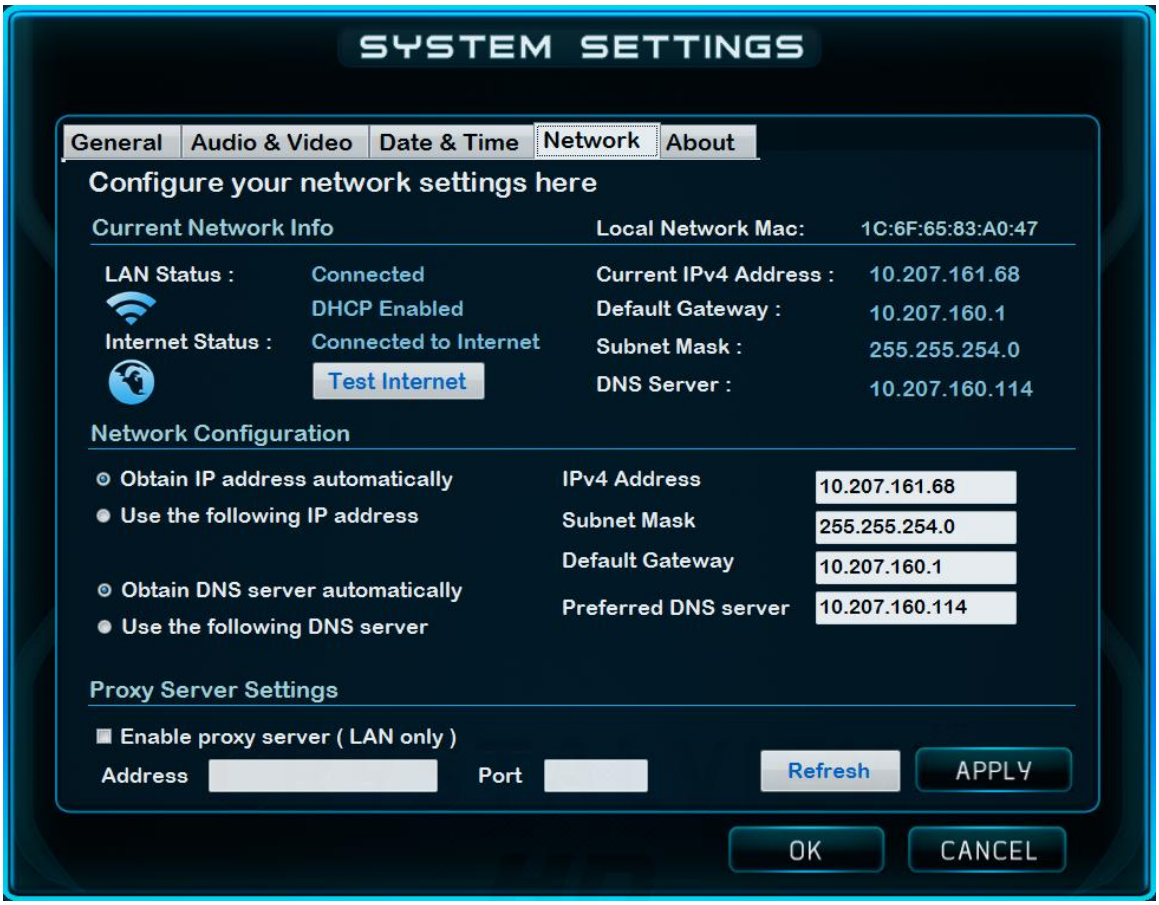
2.3 Date & Time



a) By default the date will be following the date of the system.
b) To change the date or time, simply adjust the date and time of your time zone and click “Update Date” / “Update Time” button.
c) The changes will be saved immediately.

2.4 Network

Important:



1) DHCP network
    a) Select "*Obtain IP address automatically*".
    b) IPv4 address will be allocated to the system automatically.
    c) Check the Internet Status:

Important:

i. Connected to Internet
- **Good configuration**

ii. No Internet
- **Bad configuration. Please check with the network admin.**

2) Non-DHCP network
   a) Select "*Use the following IP address*"
   b) Insert the given IPv4 address, Subnet Mask, Default Gateway and DNS.
   c) Click Apply.
   d) **Check the Internet Status:**

Important:

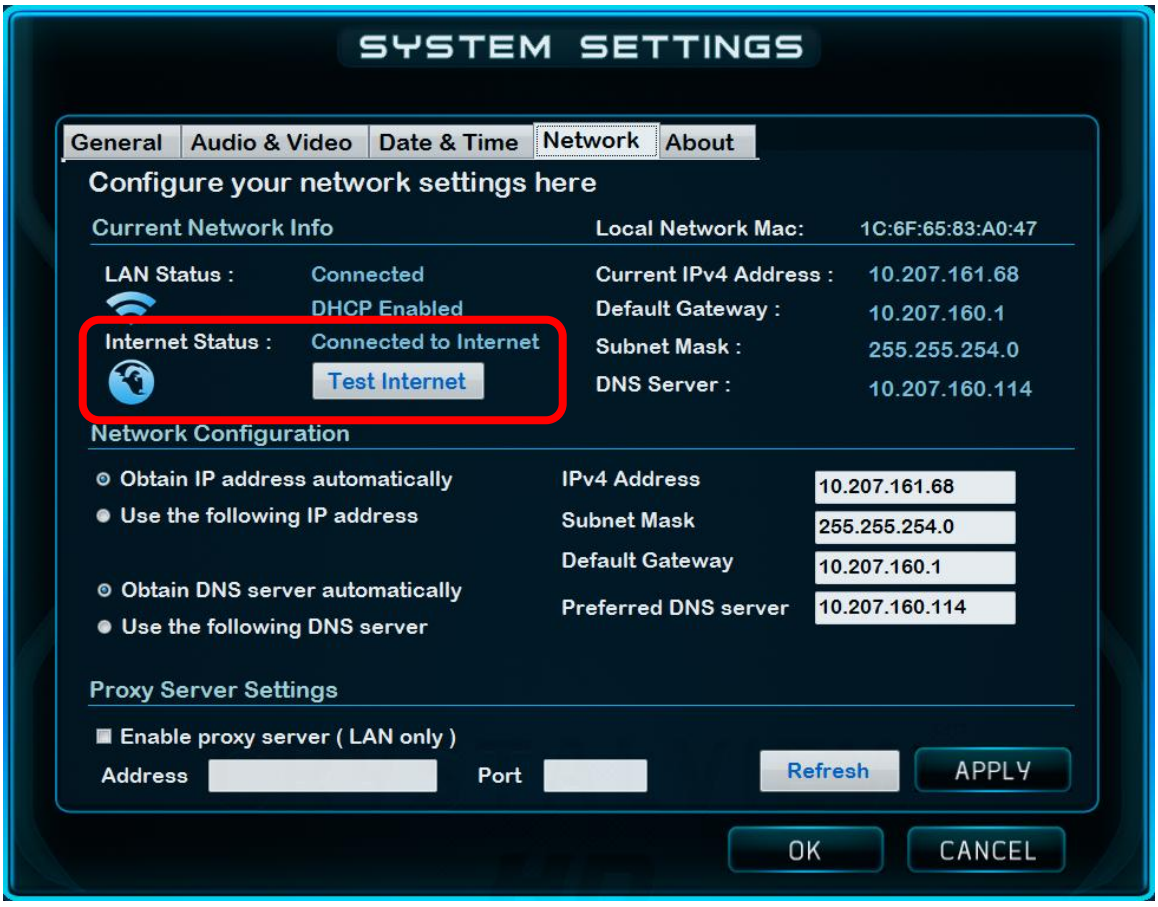
iii. Connected to Internet

- **Good configuration**

iv. No Internet

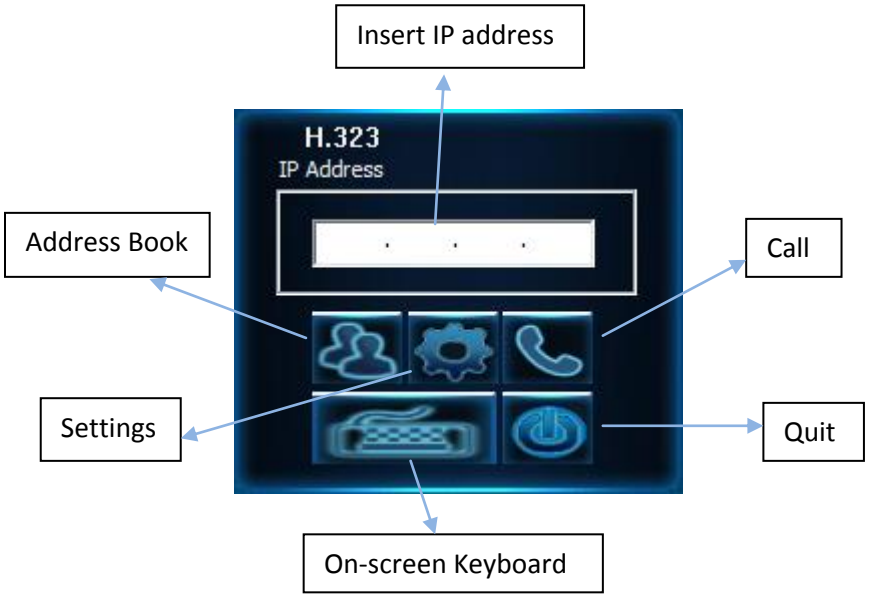
- **Bad configuration. Please check with the network admin.**

Important: **Please ensure you are connected to Internet before closing the system configuration.**

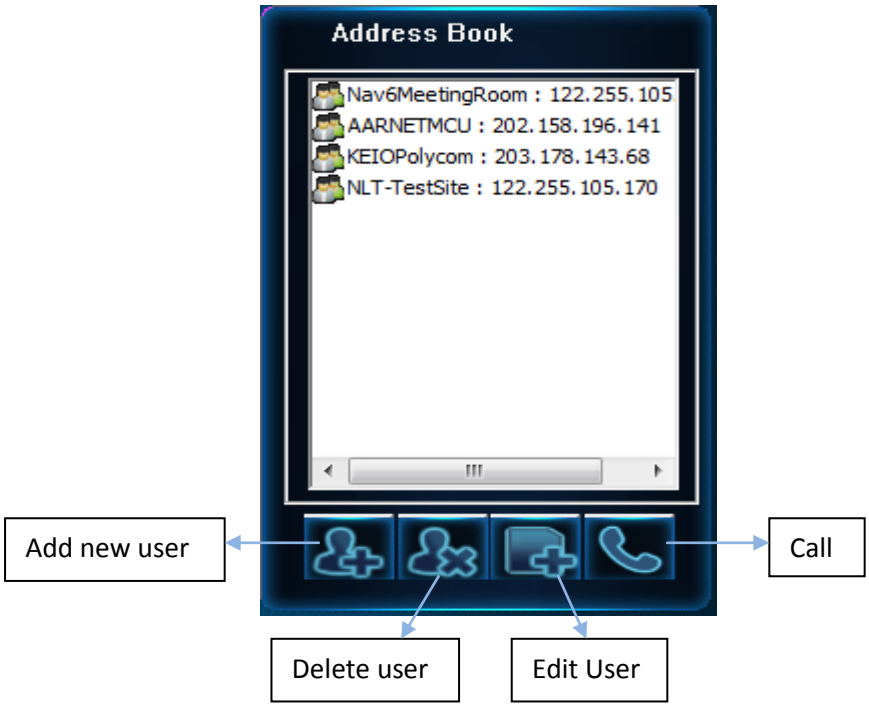


3. Video Conference System

3.1 H.323 Client



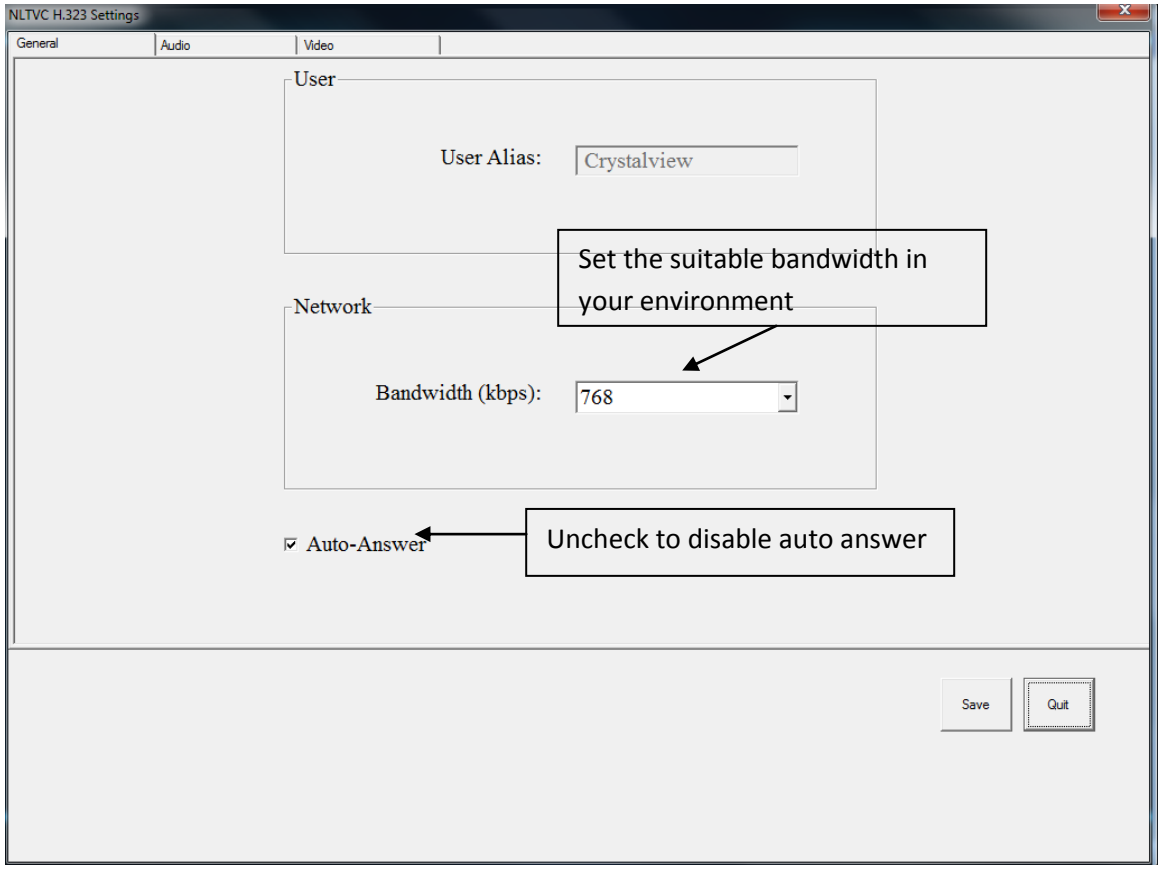
3.1.1 Address Book



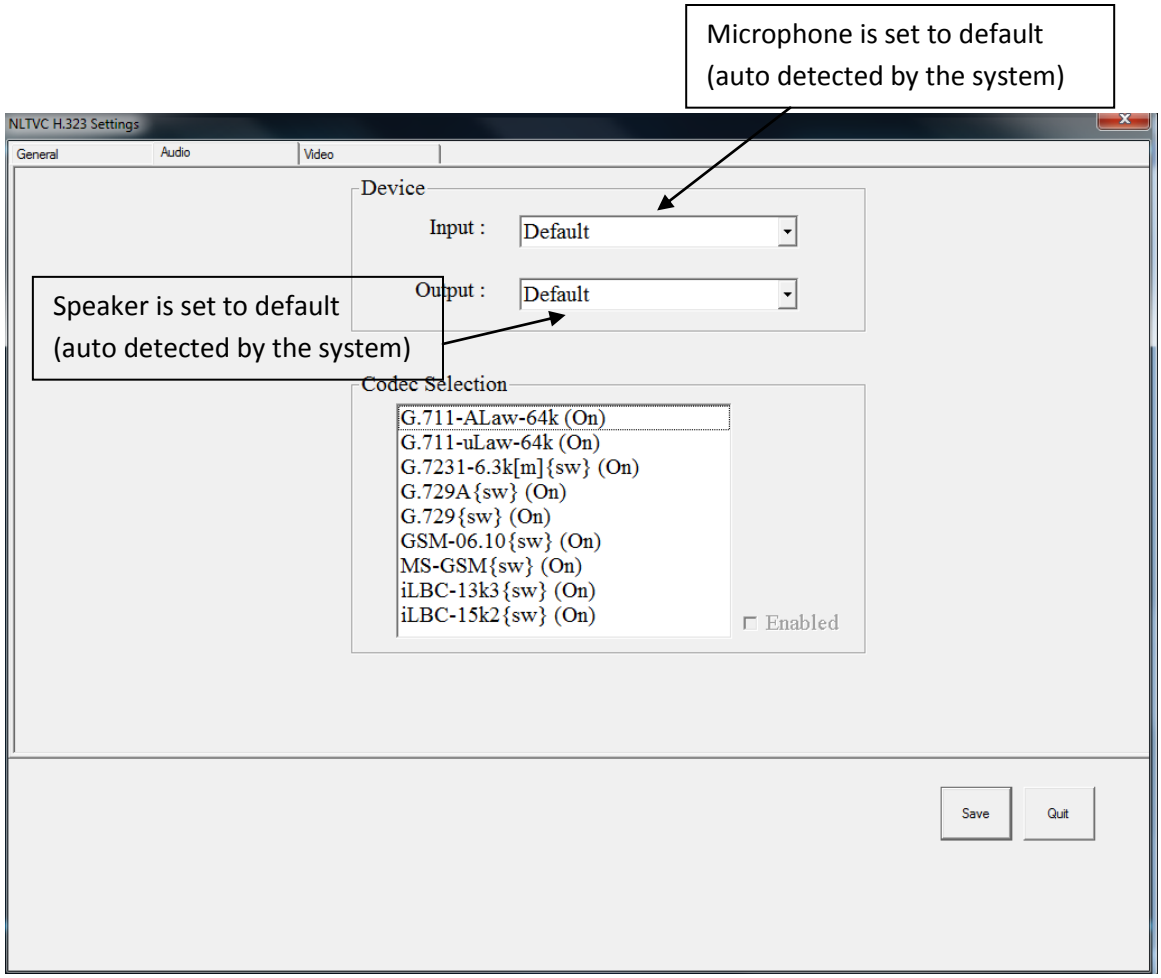
3.1.2 Settings

Note: The settings are set to default. Do not change if not required to.

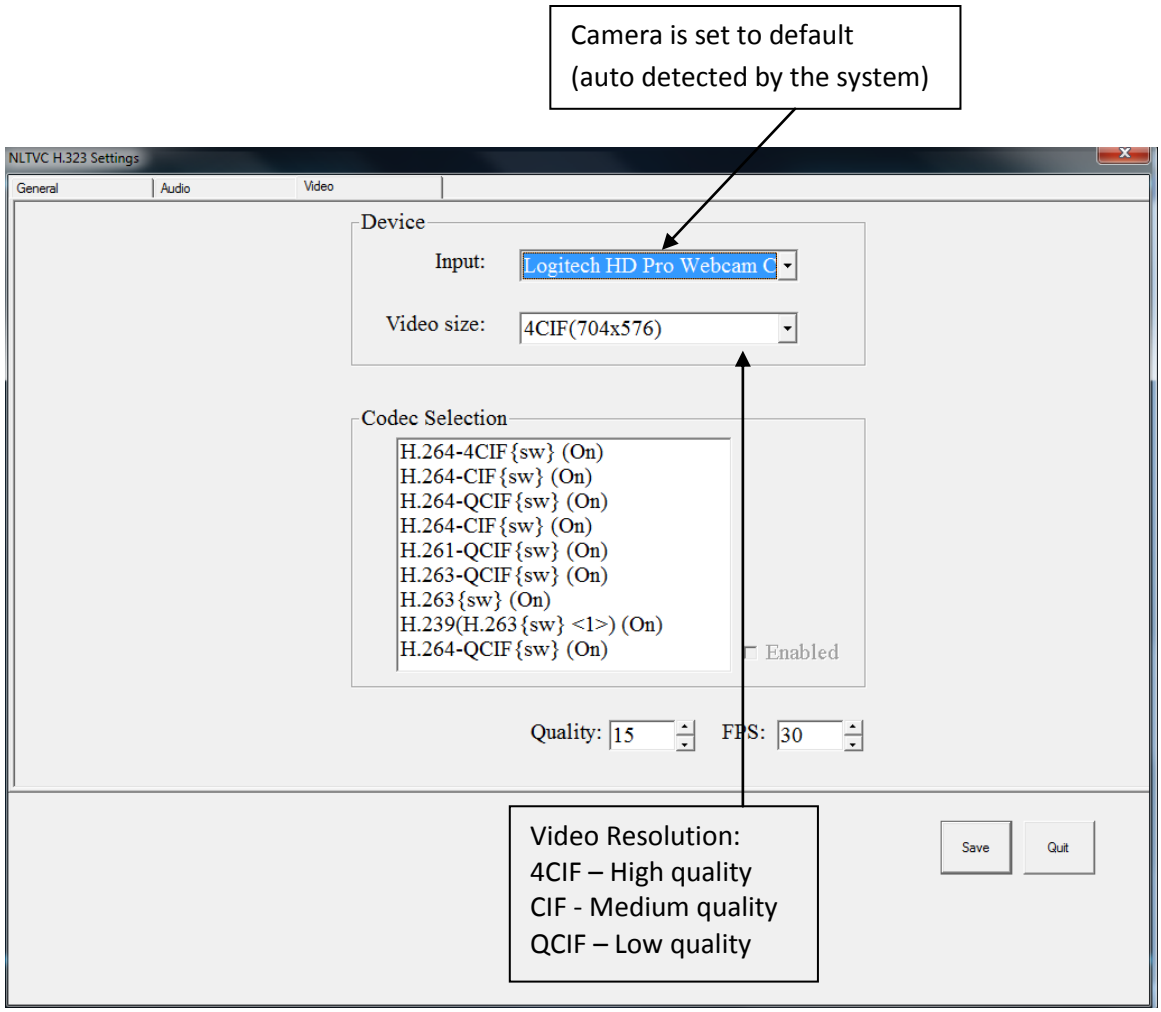
3.1.2.1 General



3.1.2.2 Audio


Microphone is set to default
(auto detected by the system)
NLTVC H.323 Settings
General
Audio
Video
Device
Input :
Default
Output :
Default
Speaker is set to default
(auto detected by the system)
Codec Selection
G.711-ALaw-64k (On)
G.711-uLaw-64k (On)
G.7231-6.3k[m]{sw} (On)
G.729A{sw} (On)
G.729{sw} (On)
GSM-06.10{sw} (On)
MS-GSM{sw} (On)
iLBC-13k3{sw} (On)
iLBC-15k2{sw} (On)
Enabled
Save
Quit

3.1.2.3 Video



3.1.3 Call

Click the call button after the IP address is inserted.

3.1.4 On-screen Keyboard

3.1.5 Quit

Quit the H.323 Client

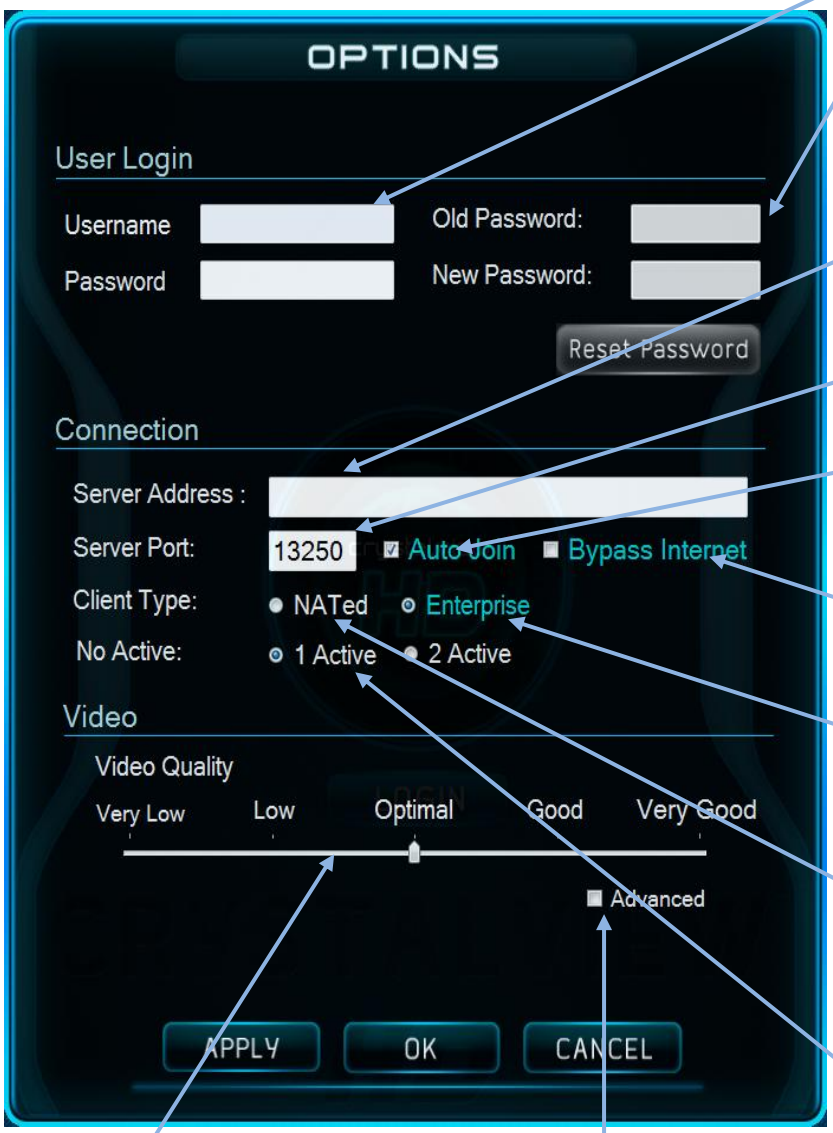
3.2 NLTVC HD Client

Click on to launch NLTVC HD Client.

To get started, option page has to be configured
(One time configuration)

3.2.1 Option

Important:



Username and default password come with the registered license

To change your password

Enter the server name or IP address

Server port is set to default

Joining to the conference anytime

Use for local video conference (No internet connection required)

For non-DHCP client

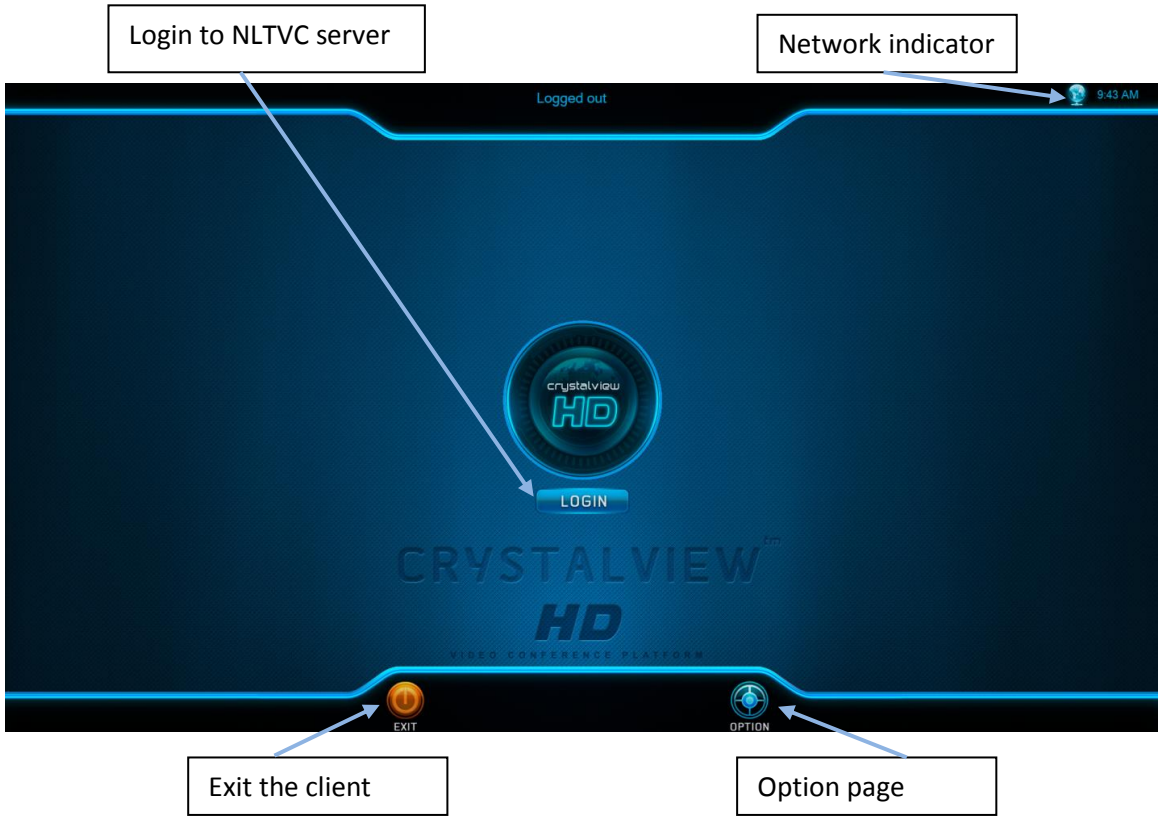
For DHCP client. Check your internet setting in system configuration

Set the number of active conference parties

Set the quality of the video

Not used. For advance technical purposes.

3.2.2 Login



Network Indicator:

Connected to network

Identifying the network

No network / disconnected/ cable unplugged

Limited connectivity

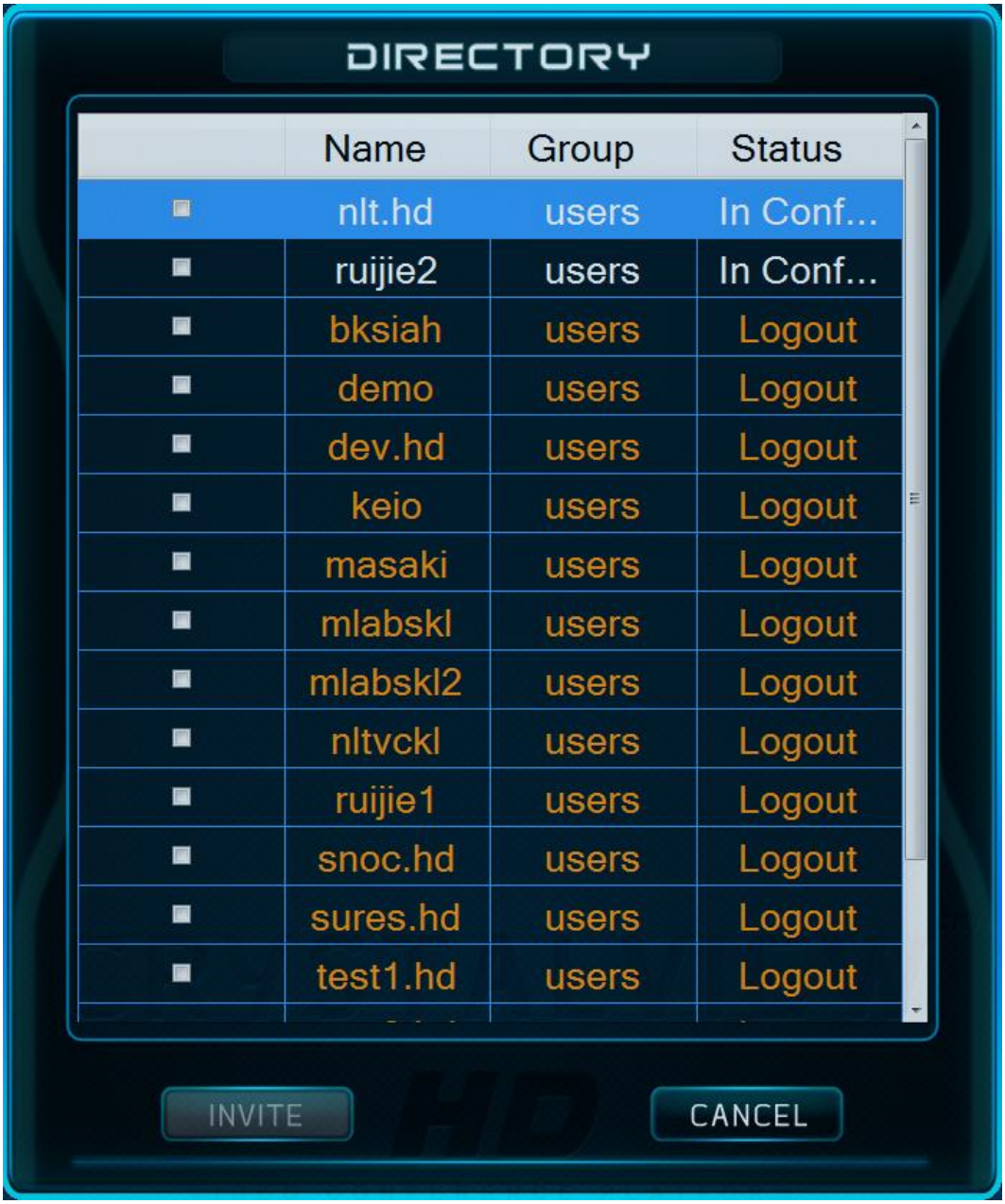
Important: **Please check the network setting in System Configuration page if the network is unavailable.**

3.2.3 Call

Point to point calling.

A directory will be shown, with the available users. Please refer to the Directory section.

3.2.3.1 Directory



a) Select by available user by ticking or double clicking on the name.
b) Click "*INVITE*" button
c) Conferencing session has been started
d) The person who initiated the conference will be referred as *Chairman.* While others are referred as *Participants.*

Important:

3.2.4 Multiparty

Multipoint video conferencing session with 1 active or 2 actives users. See section [3.2.1 Option] for the configuration.

a) Click the "*MULTIPARTY*" button.
b) A directory will be shown. See section [3.2.3.1 Directory] to invite the users for conference.

3.2.5 Conference Info

Information of each invited user

Local view

Remove the user from conference

Put the user ON AIR

Put the user ON QUEUE

Mute the microphone

Mute the speaker

Speaker volume controller

End the conferenc

Switch off the local view

Invite more users

Video quality

ON AIR – User will be able to speak and see each other

ON QUEUE – User is put on queue before ON AIR

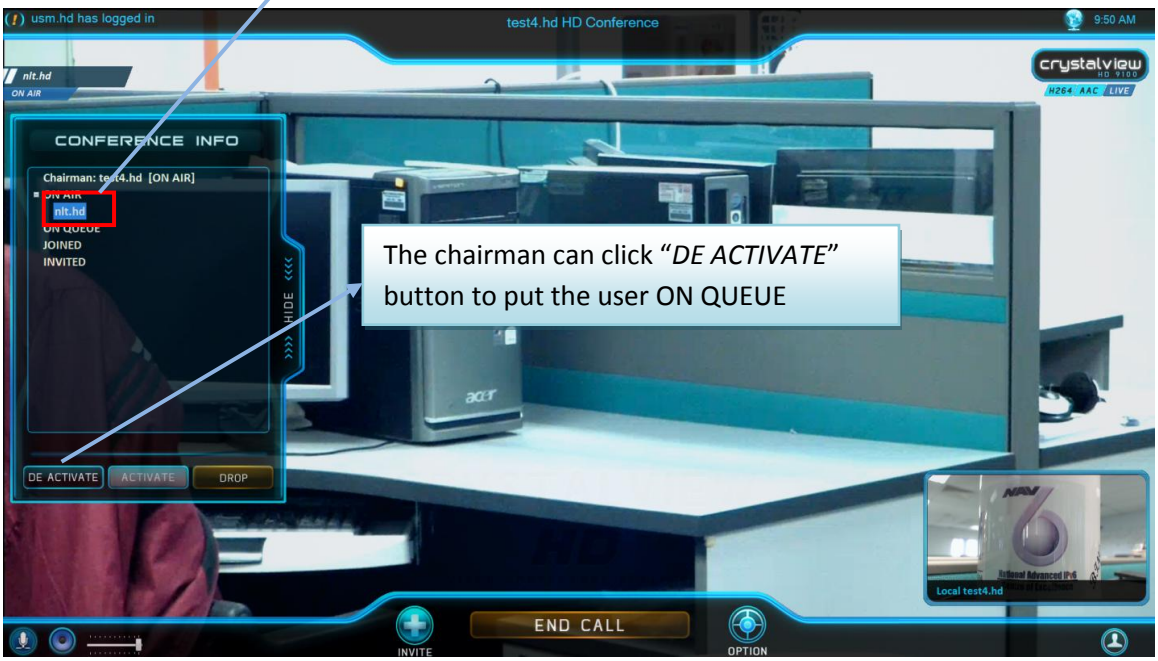
JOINED – Invited users joined in the conference

INVITED – Invited users

A user has joined

A screenshot that shows a user has joined to the conference

User is put ON AIR



A screenshot that shows an ON AIR user

3.2.6 Mute Microphone

By default the microphone is on (un-muted).

Un-muted

Muted

A notification with icon will be shown on the screen if the microphone is muted.

3.2.7 Mute Speaker

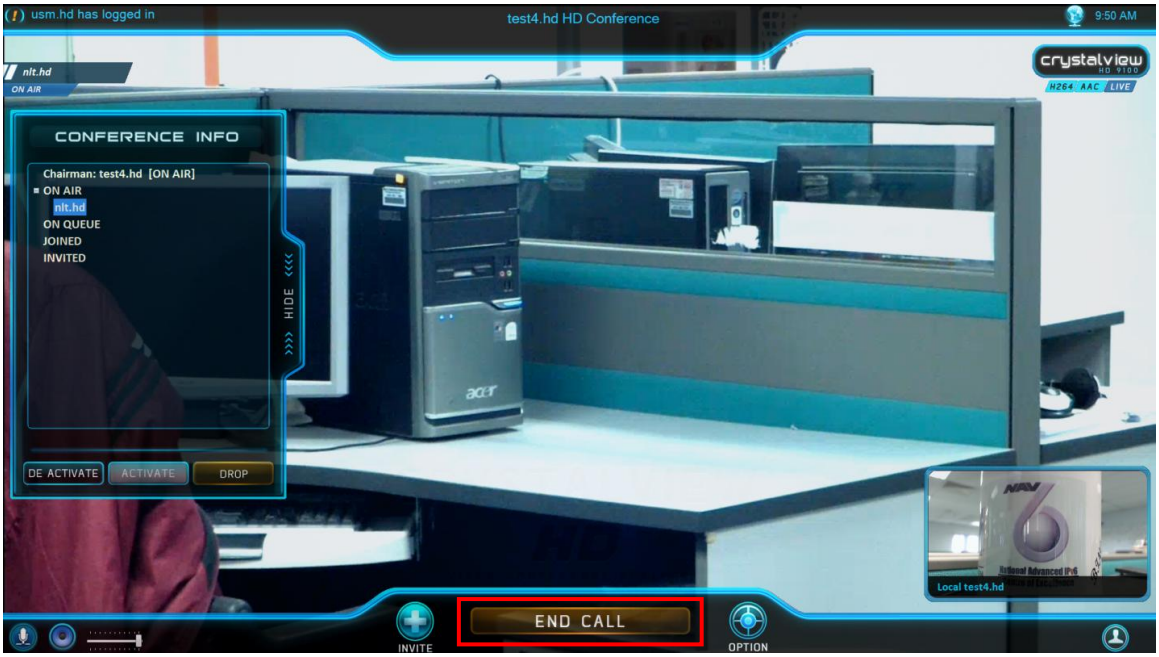
By default the speaker is on (un-muted).

Un-muted

Muted

A notification with icon will be shown on the screen if the speaker is muted.

3.2.8 End the call

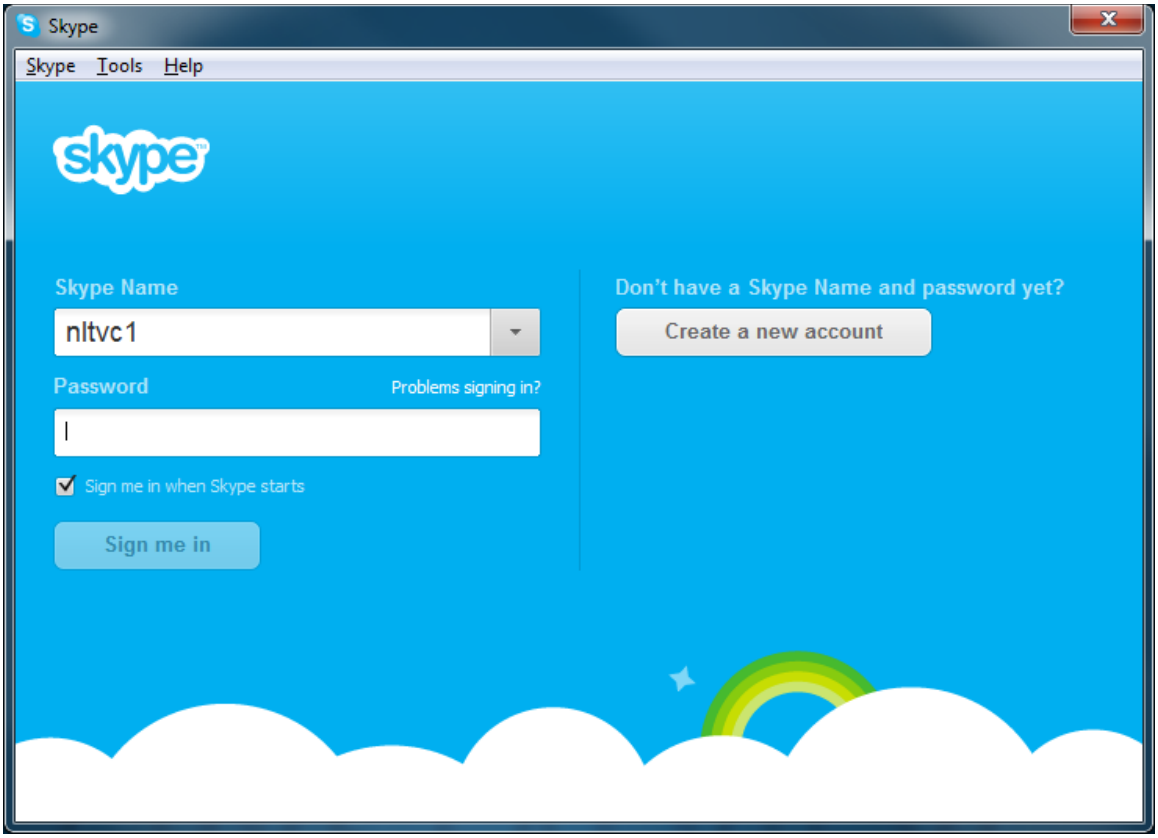


Click to end the conference.

Once the conference ended successfully, the following screen will be shown:

3.3 Skype™

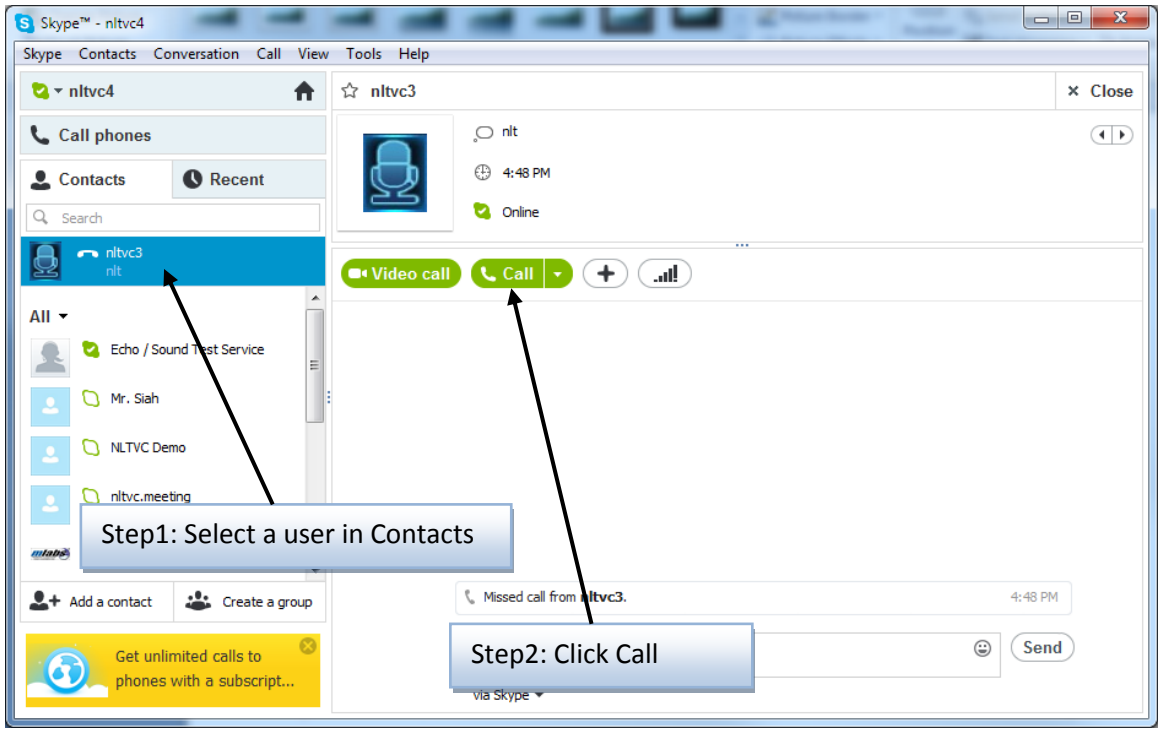
Click to launch Skype™.



Individual Skype Name and Password are required to sign in to Skype™.

3.3.1 Using Skype

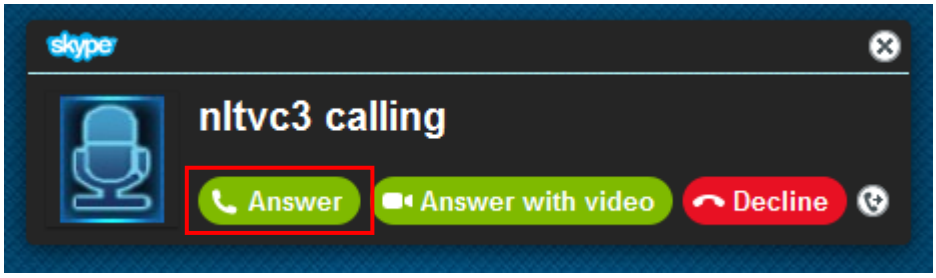
3.3.1.1 Make Call



3.3.1.2 Make Video Call

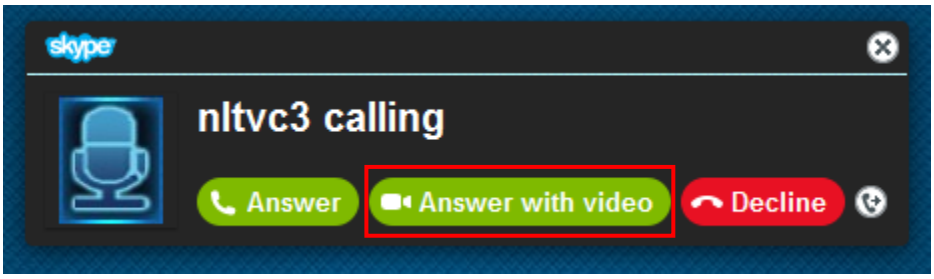
Refer to section [3.3.1.1 Make Call] and click on "*Video Call*" button.

3.3.1.3 Answer Call



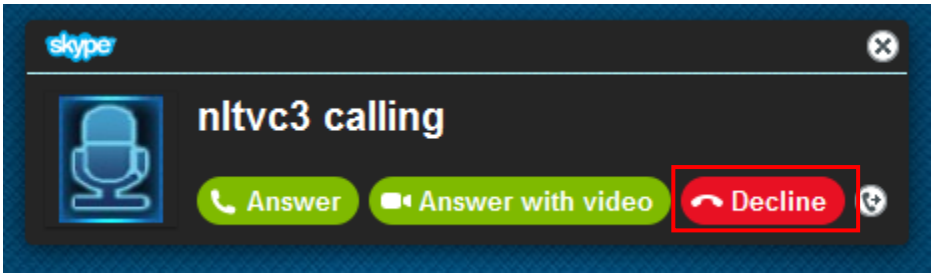
This option will not turn on your video.

3.3.1.4 Answer Call with Video



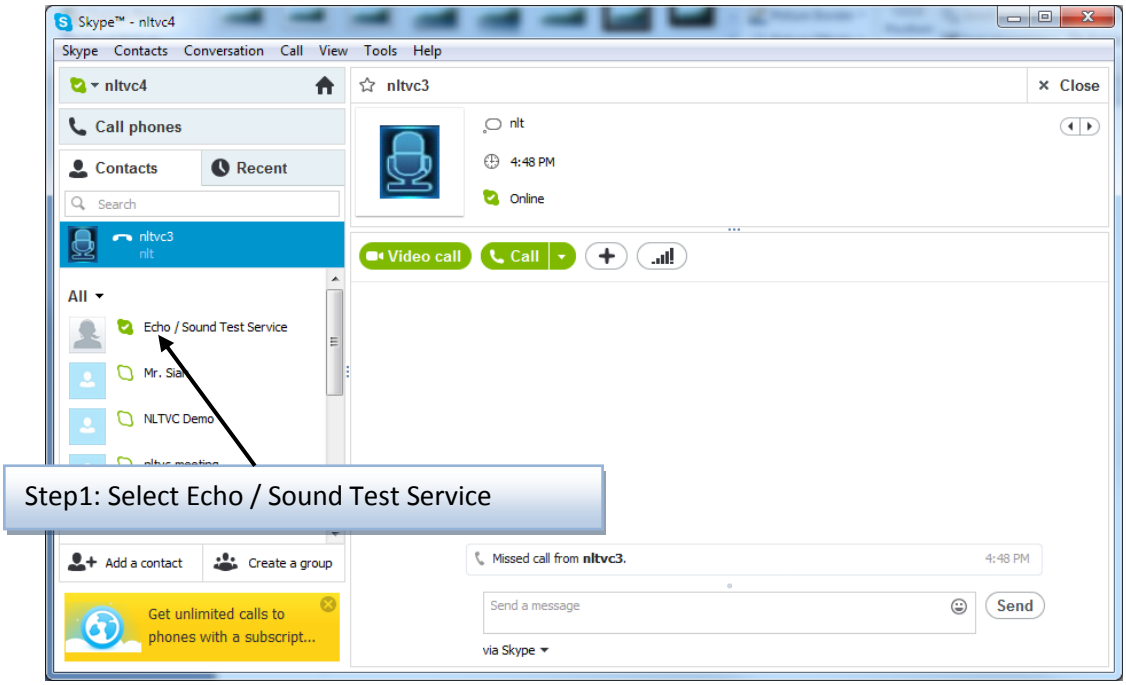
This option will turn on your video.

3.3.1.5 Decline

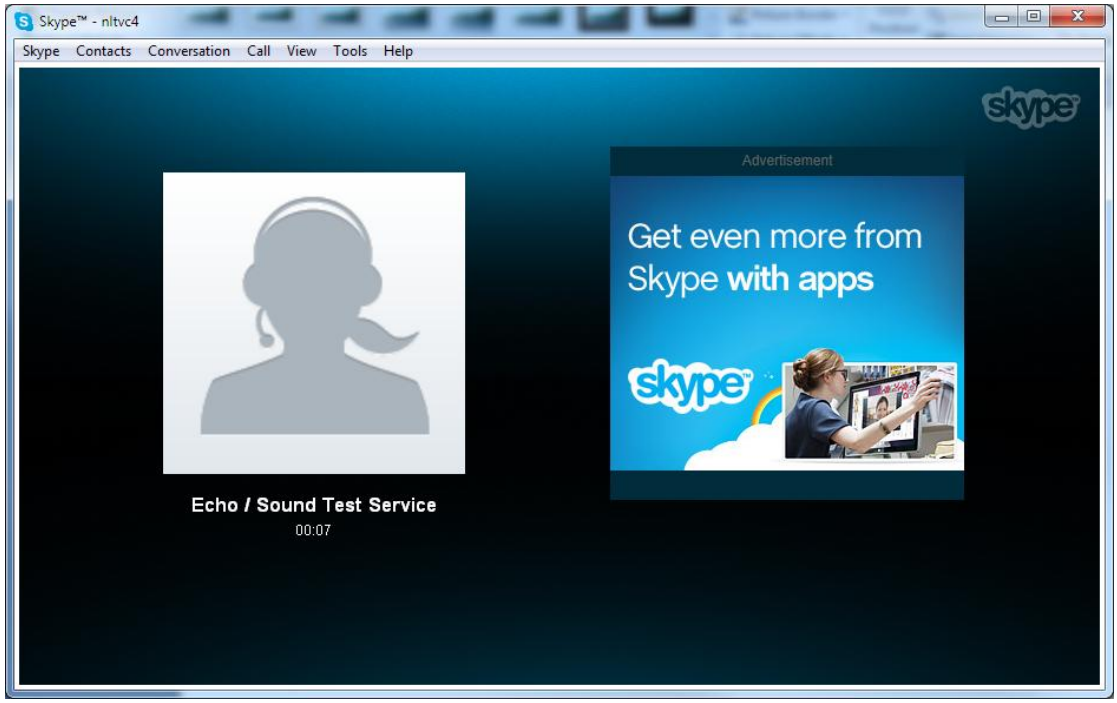


This option will end the call from remote party.

3.3.2 Sound Test



The following page will be shown and you will be required to speak. Your own voice will be played back. This indicates you have good microphone.



Important:

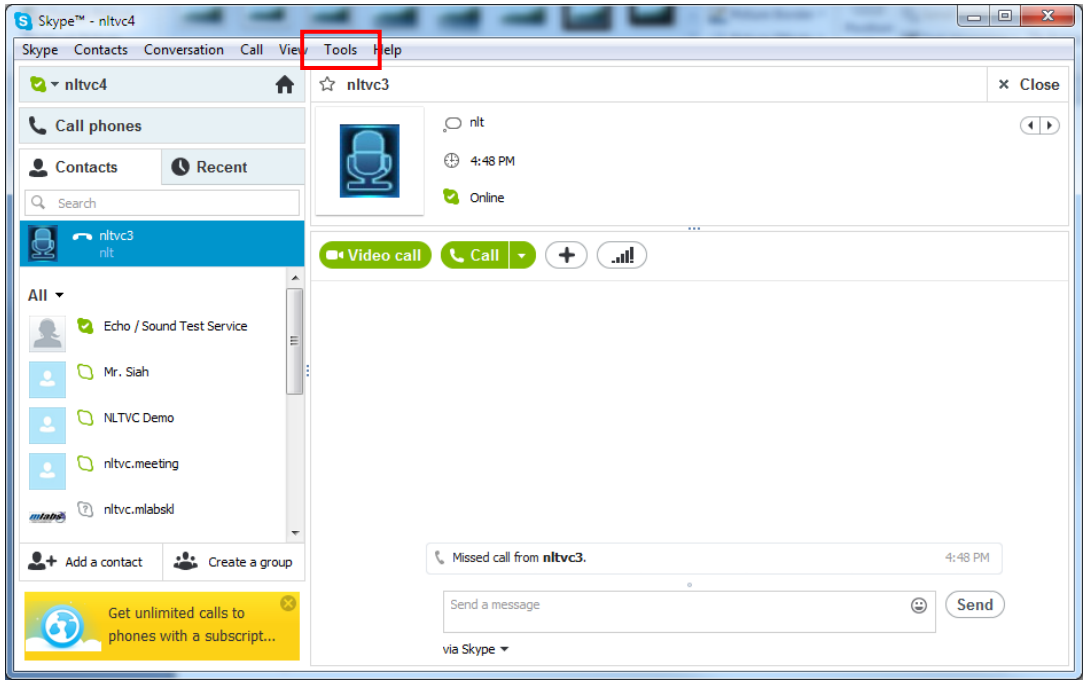
If you did not hear your own voice, please check your microphone:

1) Is the microphone plugged into the correct port?
2) Is the microphone muted?
3) Is the microphone powered by battery? The battery might be drained from time to time.

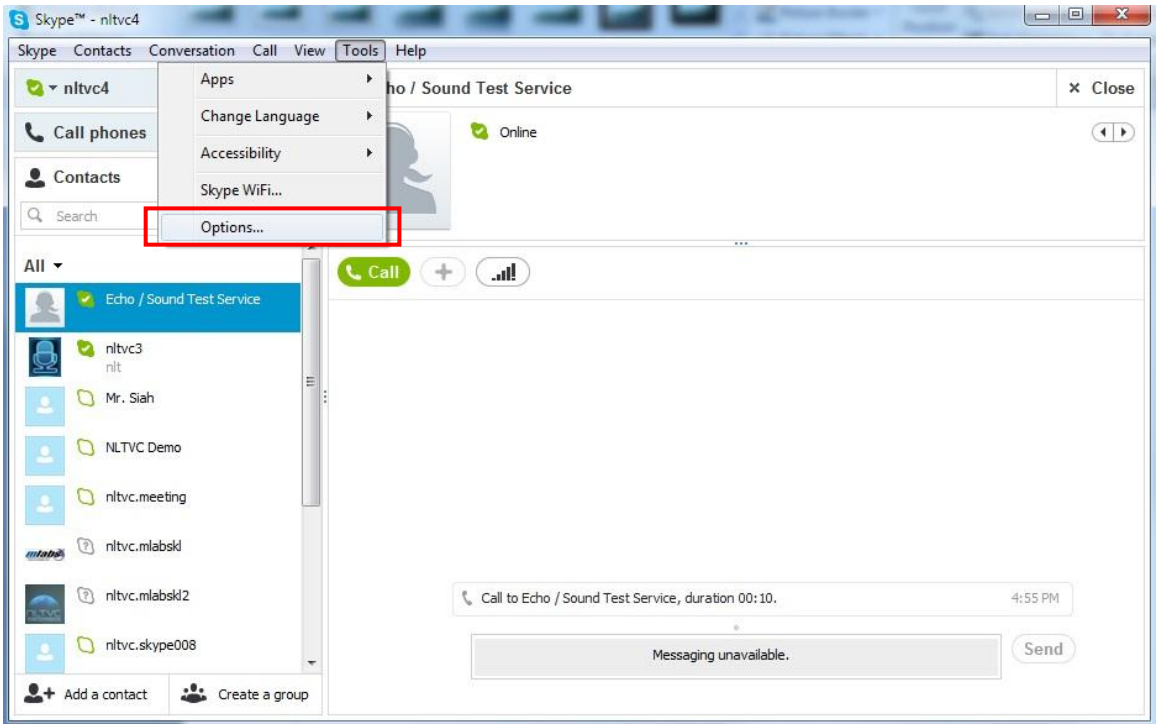
If none of the 3 options could help, please get a new microphone.

3.3.3 Camera Test

Click on Tools:



Select Options…



Go to Video settings: